

Amendments to the Claims

Claim 1-26 (cancelled).

Claim 27 (currently amended): A hydrogenation process comprising contacting a fluorinated compound with a hydrogenation catalyst in the presence of water to form a hydrogenated compound comprising both hydrogen and fluorine.

Claim 28 (currently amended): The process of claim 27 wherein the contacting further comprises contacting the fluorinated compound with H₂.

Claim 29 (currently amended): The process of claim 28 wherein a ratio of the H₂ to the fluorinated compound is from about 0.2:1 to about 10:1.

Claim 30 (currently amended): The process of claim 28 wherein a ratio of the H₂ to the fluorinated compound is at least about 1.2:1.

Claim 31 (currently amended): The process of claim 27 wherein the water is from about 0.04 to about 12 percent by weight of the fluorinated compound.

Claim 32 (currently amended): The process of claim 27 wherein the water is at least about 0.8 percent by weight of the fluorinated compound.

Claim 33 (previously presented): The process of claim 27 wherein the catalyst contains a metal.

Claim 34 (previously presented): The process of claim 27 wherein the catalyst comprises palladium and a catalyst support.

Claims 35-88 (cancelled).

Claim 89 (currently amended): The process of claim 27 wherein the fluorinated compound comprises C_3F_7Cl and the hydrogenated compound comprises C_3F_7H .

Claim 90 (currently amended): The process of claim 27 wherein the fluorinated compound is aliphatic.

Claim 91 (currently amended): The method of claim 27 wherein the fluorinated compound is olefinic.

Claim 92 (currently amended): The method of claim 27 wherein the fluorinated compound is perhalogenated.